Plotting probe track parameters:

DCA0 = Distance of closest approach wrt r-phi

DCA1 = Distance of closest approach wrt best vertex

Both distributions are shown before and after I cut on the probe track. Cuts are:

|DCA0| < 0.3cm

|DCA1| < 4.0cm

In this case I'm requiring jetmultiplicity >= 0

track_dca0_before

| track_dca0_before | |
|---|---|
| Entries | 1094063 |
| Mean | 0.001532 |
| RMS | 0.5552 |

track_dca0_after

| track_dca0_after | |
|---|---|
| Entries | 6056 |
| Mean | -9.973e-05 |
| RMS | 0.01062 |

track_dca1_before

| track_dca1_before | |
|---|---|
| Entries | 1094063 |
| Mean | 0.0002534 |
| RMS | 9.392 |

track_dca1_after

| track_dca1_after | |
|---|---|
| Entries | 6056 |
| Mean | -0.0006455 |
| RMS | 0.1472 |